

MÜLLER



KLB

KLB Hospital elevator

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KLW

KLW Machine roomless
hospital elevator

Hospital elevator series

Bearing life & fulfilling mission

Inheriting the continued tender feelings



Humanity design



Security

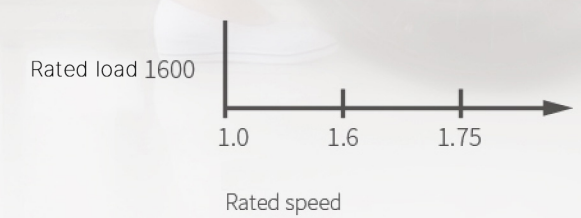


Energy saving

KLB Hospital Elevator



KLW Machine roomless hospital elevator





super large lift car space of
1.5x2.7x2.4m

Design of handrail

The fine and smooth round handrail, the engineering structure imitating the human body, and the curve perfectly fitting the arms, render the comfortable and secure feelings.



Dedicate, subtle and complete care and concerns

Customized for the sites of hospitals

Given the particularity of hospitals, Muller hospital elevator makes special design in functions, to render more sense of safety to the elder people, children and patients.

Space: the super large lift car space of 1.5m*2.7m*2.4m and super large capacity makes the stretchers in and out freely.

Materials of Lift Car: completely environment-friendly materials without any peculiar smell and pollution.

Elevator use functions for the handicapped (optional): Muller hospital elevator puts the needs of calling demand of the handicapped into consideration by prolonging the door opening time and makes it more convenient.

Voice Announcement (optional): voice instruction, which provides convenience for the blind and the elderly whose hearing is impaired or degenerated.

Design of the Landing door: three different designs of the landing gates including opening from the side, opening from the middle and the run-through between the front and the back, meet the requirements of different architectural structure

LED lighting

Warm light color tone

4.0

Bold enlarged numeric display



Extended door opening time

Purification and ventilation

The special design of ventilation, effectively purifies the air.



Key buttons

The key buttons like keyboard with concave and convex is convenient for the blind to sense and makes the reaction more sensitive

Height of the buttons

It adopts the most scientific human height standards for the design and installation, which makes it more easy and convenient to raise the hands for operations.



Secure and stable, safe and reliable

Creating the warm space for life

- ◆ It can automatically display the information of the breakdowns improve the efficiency of maintenance. Besides, it can automatically save the information of 30 breakdowns, thus facilitating the mastering of the details and clearing the trouble.
- ◆ It has electromagnetic compatibility, which can effectively avoid the electromagnetic wave interference of the medical instruments and elevator signals, thus meeting the demand of the modern medical system.
- ◆ There is the intensive distribution of 154 rays of infrared beams, which can probe any foreign matter entering the region in a readywitted manner and avoid injuries of pressing or colliding.
- ◆ It can maintain the on-state of the elevators for a relatively long period of time and lengthen the time of closing the gate, thus meeting the requirement of the medical care personal and the patients for safety in and out. (Optional)
- ◆ It has the elevator emergency device so that when the elevator powers off or the breakdown of the elevator stops, it can rapidly switch to the low-speed operation and move to the position of the leveling, thus evacuating the passengers after opening the gate while stopping stably. (Optional)

30

automatically save the information of 30 breakdowns

154

the intensive distribution of 154 rays of infrared beams



Emergency device



Energy-saving, low-consumption, fresh and natural

Bursting out infinite green vigor

Muller Hospital Elevator selects the high-tech green pro-environmental lift car materials, adopts the world leading advanced green technology, and creates the harmonious unification with the medical environment as well as the clean and bright medical space.

- ◆ The Fully Systematic LED Lift Car Illuminating System, whose power consumption is just 1/5 of the ordinary fluorescent lamp, thus providing the naturally bright and great environment.
- ◆ It has the new-generation permanent magnet synchronous gearless machine ,which can saves 40% of the energies without bothering the change of grease, thus providing the tranquil and fresh atmosphere.
- ◆ It is equipped with the lift car illuminating and automatically closing functions, which reflects the personalized design and green energy ideas of Muller Elevator

4/5 ↓

power consumption reduction

40% ↑

energy savings



Automatic shutdown feature



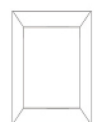
The VWF door-motor system can sensitively adjust the opening and closing speed of each floor, thus guaranteeing the smoothness and tranquility of the elevator gate.



30% consumption

Energy feedback system (optional)

The renewable energy converted from the energy feedback device can be used for other electricity-consumption devices, such as the illuminating system and the medical devices, which can decrease the energy consumption by 30%.



Standardized design

Standard configuration of the lift car decoration

The inner wall of the lift car adopts the stainless steel overlapping uprights and the stainless steel skirting lines, which can be perfectly combined with the high-quality panel materials, thus further highlighting the stable and generous atmosphere.



KL/Y4-001R-2

Ceiling: KL/DD-Y001 Hairline stainless steel, polycarbonate sheet
LED light source
Car wall: Hairline stainless steel + mirror stainless steel
Car door: Hairline stainless steel
Floor: KL/JD-Y001
Handrail: KL-FS 001
Operation panel: KL241CD Integrated operation panel

Lift car decoration configuration which is Free and optional



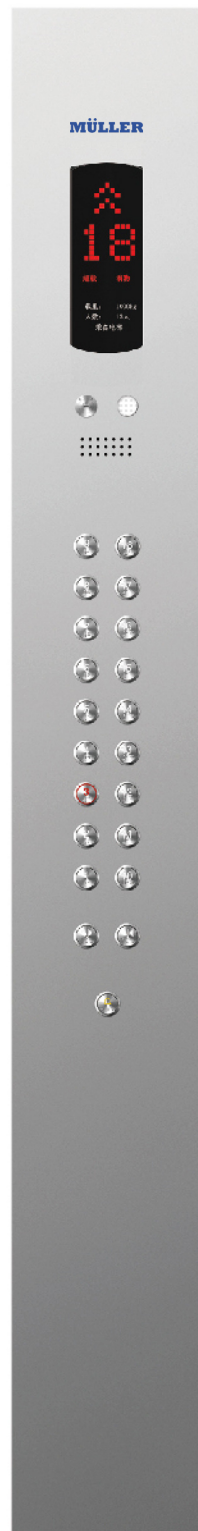
KL/Y4-002R

Ceiling: KL-D 014 Hairline stainless steel
Car wall: Hairline stainless steel
Car door: Hairline stainless steel
Floor: KL-JD 006
Operation panel: KL231CD Integrated operation panel



Integrated operation panel

Muller hospital elevator applies the most concise integrative operation panel in the aspect of the model. It needs no re-installation, is of the natural model, and uses environmental protection materials, is cost-saving, sensitively reactive, and with easy maintenance.



KL241CD

Standard

Panel material: Hairline/mirror stainless steel
Button: Round/square micro-stroke button
Display screen: Dot matrix/LED segment code
Parking number: 2~48 parking floors

Display screen/Button standard



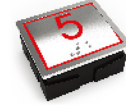
Red dot



KL231CD

KL241CD

Standard



KL232CD

KL242CD

Free optional

Display screen/Button optional



White dot



KL231-1CD

KL241-1CD

Charged optional



KL232-1CD

KL242-1CD

Charged optional



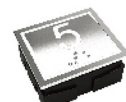
LED section of code



KL233-4CD

KL243-4CD

Free optional



KL234-4CD

KL244-4CD

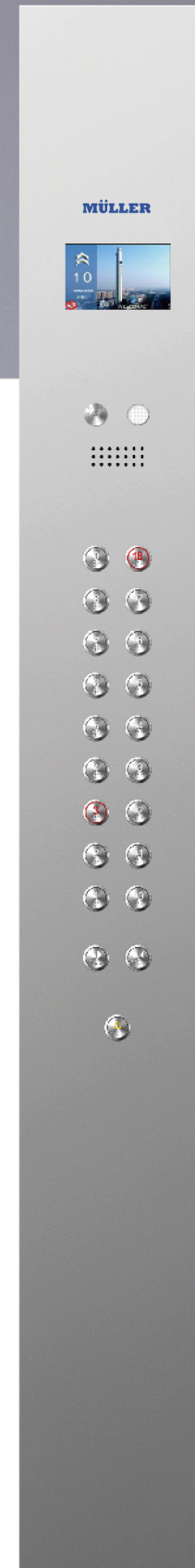
Free optional

Integrated operation panel (Charged optional)

| Hospital Elevator



Display screen
Multimedia display screen
Parking number
2-48 stop layer



Panel material (Hairline stainless steel / Mirror stainless steel)

Optional button



Optional screen size



KL235CD
KL245CD

KL237CD-A
KL247CD-A

KL239CD
KL249CD

KL236CD
KL246CD

KL238CD-A
KL248CD-A

KL23ACD
KL24ACD

Operation panel for disabled



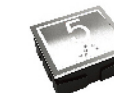
KL386CD

Charged optional

Button optional



KL386CD



KL388CD



KL386-1CD



KL388-1CD

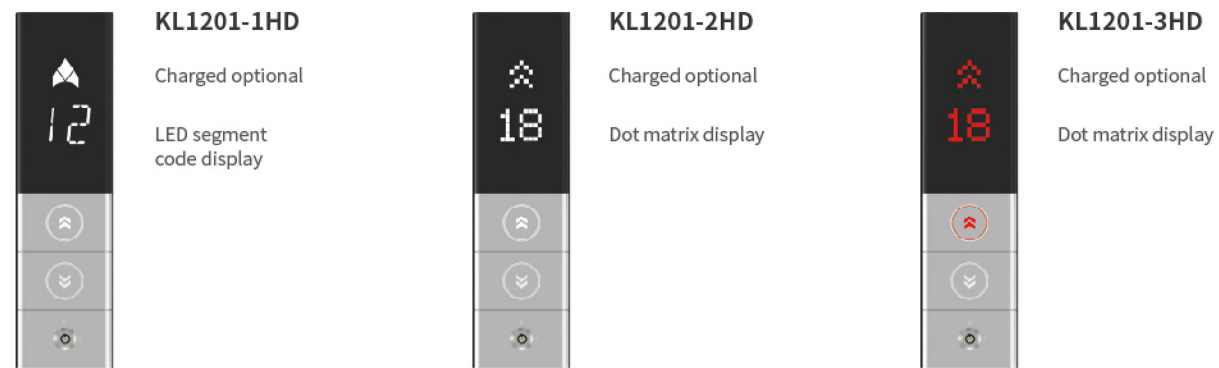
Human-computer Interfacepanel material can be selected: Mirror stainless steel / Hairline stainless steel

Calling indicator without bottom box

Standard



Optional



Panel materia: Anti - fingerprint frosted stainless steel

Floor level indicator

Optional



KL1206-3H Bottomless box Optional white dot matrix, White segment code	KL341H Box with bottom Panel material (hairline stainless steel)	KL365H Box with bottom Panel material (hairline stainless steel)
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Fire protection box and elevator locking box without bottom case

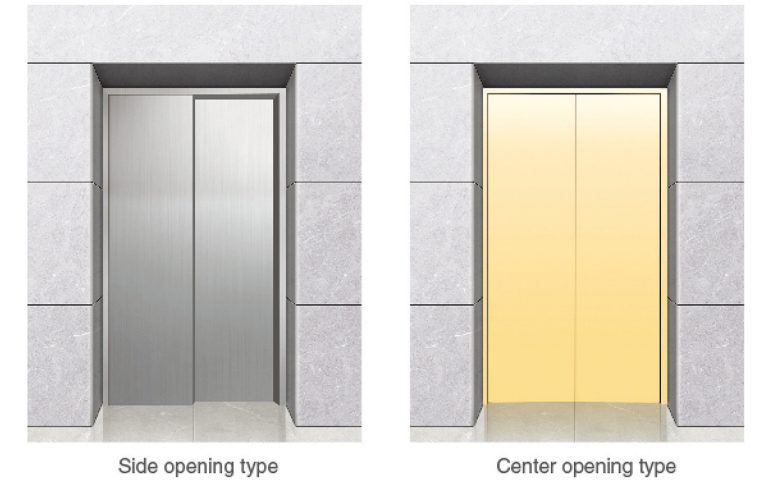


KL1215H Fire box Standard	KL1205H Fire box Charged optional
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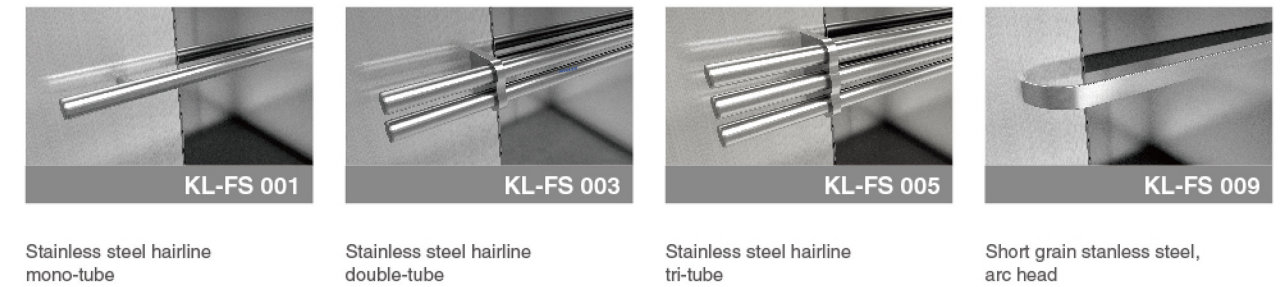
Hoist-way door series

Entry & exit decoration

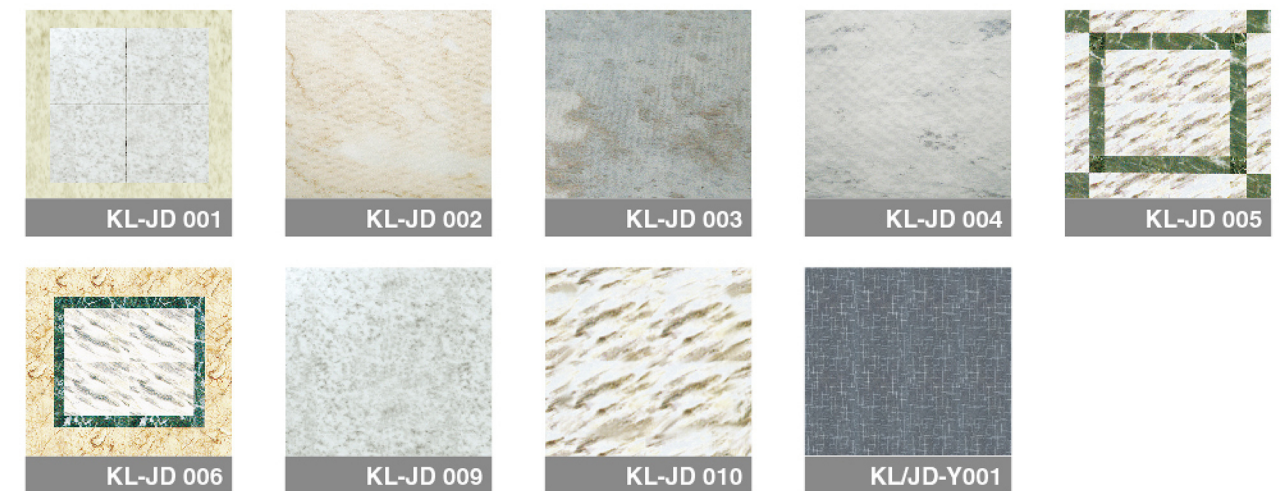
Jamb: It matches with the hoist-way door
Hoist-way door: Hairline stainless steel
Dusting steel plate
Sill: Hard aluminum



Handrail (optional)



PVC floor (optional)



Dusting color standard (optional)



● **Braking Force Self-Detecting**

Actively and regularly test the brake force; prevent more serious accident by means of malfunction indication and running prohibition and so on.

● **Traction Rope Slide Detection**

It provides real-time monitoring of sliding data, and can automatically enter the safe operation mode for emergency according to requirements.

● **Braking detection protection**

Brake arm detection switch executes real-time monitor to brake opening / closing. If the brake does not open by the requirements, the system will not start the elevator.

● **Protection of none door opening outside door zone**

Automatic door opening is forbidden under none door zone condition.

● **Low-speed protection**

It prevents elevator from low-speed running outside the control range causing any safety problem(s).

● **Overload protection**

Before the elevator shuts the door, if it detects overload signal, the elevator does not shut then, "door-shut button" becomes effective. After it removes overload problem, it re-starts automatically.

● **Automatic parking in trouble**

When the elevator stops in none leveling zone due to any trouble, if it is not caused by safety device action, it executes self-rescue running towards the middle floor direction at low speed. It parks and opens the door at the nearest service floor to prevent from any trapping accident.

● **Protection of elevator blockage**

When the system runs start command, it does not start within preset time nor because it is during the elevator travelling, and it does not reach certain distance within preset time as well, the elevator stops accordingly.

● **Attendant running**

When it is under the operator condition, the elevator system operates according to the car command signal. If landing call signal is available, it automatically cuts as per forward landing call. The door opens automatically after the leveling parking. But it does not shut automatically until the operator presses "door closing button".

● **Fire-fighting return**

After the fire-fighting switch closes, the system enters into fire-fighting running. The system will remove all the landing calling and car command signals, and it automatically return to fire-fighting home landing, and the door keeps open. If the elevator is traveling reversely, it parks at nearby floor, and returns to fire-fighting home landing with the door keeping closed, after that it keeps the door open.

● **Home landing elevator locking**

When the elevator is under automatic condition, after it shuts home landing locking switch, the elevator will complete all the registered car command services, automatically return to home landing, it enters into parking condition. As soon as locking switch opens, it immediately exits from parking condition and throws into normal running.

● **Cancel the error-register**

If the passenger presses the car command button at certain floor and has registered it by mistake, (by then the car indicating lamp is bright), under the condition of none elevator running, you only require to press the car command button at the same floor to cancel the register. (By then the car indicating lamp dies out.)

● **Electrified automatic door-opening**

Every time when the elevator is electrified, if the car is in the door zone, the elevator door opens automatically.

● **Automatic stop of the car lighting and fan**

If nobody uses the elevator within certain period of time, the car illumination and fan shut off automatically and re-opens on receiving any landing call command(s).

● **Automatic correction of floor signal**

If the floor display position has error, after the system detects terminal switch in the travel, it will automatically correct the floor display.

● **Button sound function**

When the button is pressed, the button will sound to indicate that the passenger has been registered.

● **Self-diagnostic embedded calling button**

If you press call button at certain landing for over 20 second, and it still does not disconnect, the system assumes that it is embedded button. It does not register the landing call of the same floor afterwards. Responsive lamp which corresponds to the button keeps flickering and alarming. When the button disconnects, it exits from above condition.

● **Re-leveling function**

If the elevator parks on the current floor, when too many passengers enter into / leave the elevator, the car is separated from the leveling zone because of wire rope extension or shortening. The elevator will then travel to the leveling position at low speed under the condition of door-opening.

● **Automatic return to home landing**

In no-operator running, if automatic return function to home landing is still effective, when no-landing calling signal time fulfills preset time, the elevator returns to home landing automatically.

● **Fire-fighting running**

When the fire-fighting switch closes, the system enters into fire-fighting running. The system will remove all the landing calls and car command signals, and it automatically returns to fire-fighting home landing, and the door keeps open. If the elevator is travelling in reverse direction, it parks at nearby floor, and returns to fire-fighting home.

● **Car arrival gong**

Arrival gong on top of the car reminds the passengers in the car and those waiting in the hall that the elevator has arrived.

● **Phonic station reporter**

Phonic station reporter informs the passengers of the relevant elevator running information. It announces the arriving landing, the traveling direction etc. before door-close and running.

● **Signal interface position**

It outputs basic running condition signal through the signal interface device.

● **Automatic emergency leveling travel**

If automatic emergency leveling function setting is effective, it is equipped with "automatic emergency leveling device" to satisfy automatic emergency leveling conditions. After power grid fails, automatic emergency leveling device supplies electricity and the elevator travels to the leveling position of the nearest landing. It opens the door, for safe evacuation of the passengers from the car.

● **Long-distance monitor**

Through signal interface device and wireless network technology, user can log in the corresponding server to check information, make statistical analysis of elevator failure rate and failure time, and achieve fault message alarm.

● **Energy feedback**

When energy feedback device is installed, the energy produced during the elevator light-load up-motion and heavy-load down-motion will be used by power grid and the surrounding equipments. It fulfills the energy-saving purposes.

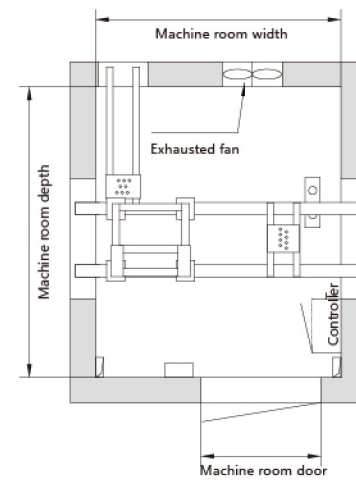
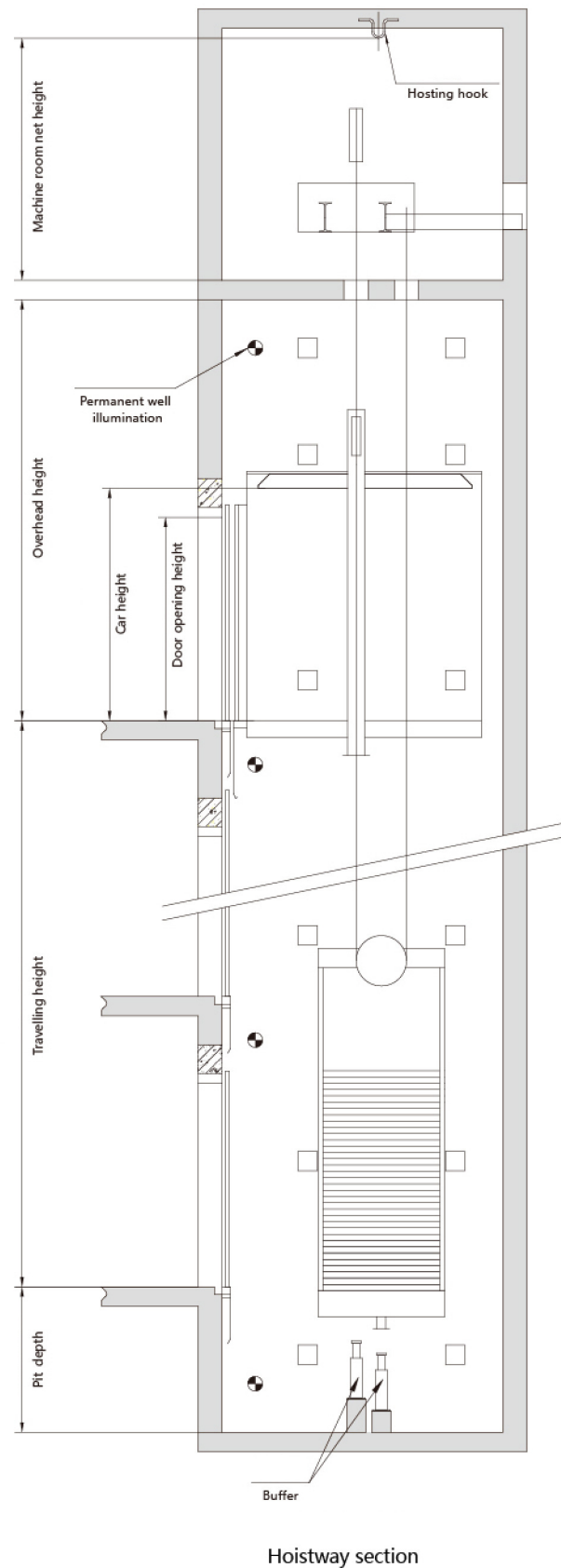
● **Electric brake release**

Under the non-balancing conditions, Machine Roomless elevator, It automatically alarms after entering into the door zone with the manual door-open aid.

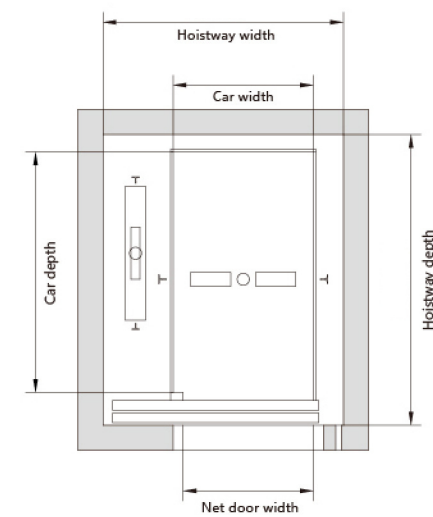
Note: Electric brake release for KLV machine roomless hospital elevator.

Construction parameter

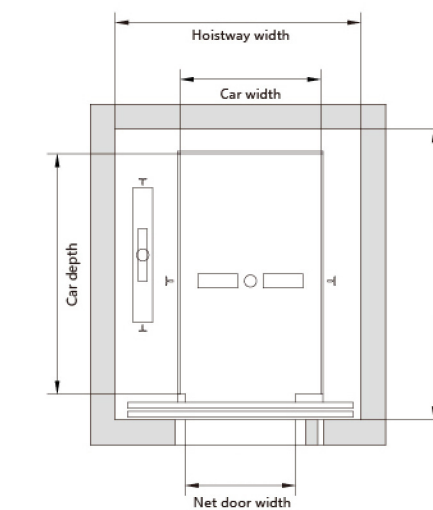
KLB Hospital elevator



Machine room plan



Side opening plan



Folde center opening plan

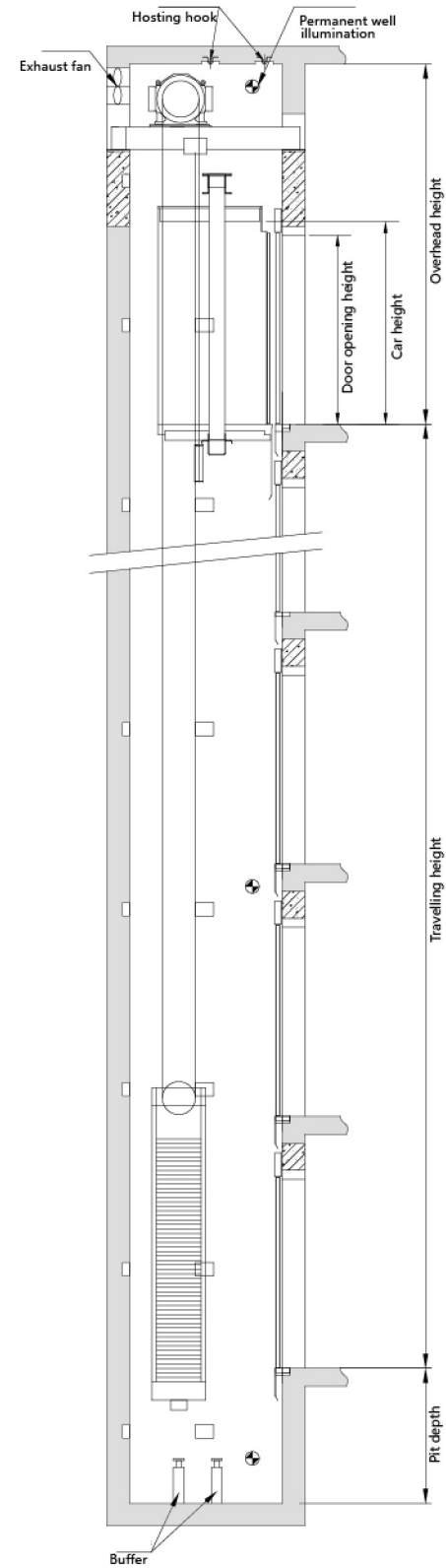
KLB Hospital elevator parameter table

(Kg) Loading capacity	(m/s) Rated speed	(mm)		(mm) Car size			(mm) Hoistway size		(mm) Machine room size		(mm)	(mm)	(m)
		Door opening width	Door opening height	Width	Depth	Height	Width	Depth	Width	Depth	Top floor height	Pit depth	Max. travelling height
1600	1.0	Side opening 1300	2100	1400	2400	2400	2400	2900	2400	2900	4300	1750	60
	1.6	Side opening 1300	2100	1400	2400	2400	2400	2900	2400	2900	4400	1750	80
	1.75	Side opening 1300	2100	1400	2400	2400	2400	2900	2400	2900	4600	1800	105
	2.0	Side opening 1300	2100	1400	2400	2400	2400	2900	2400	2900	4650	1850	120
1600 Open-through	1.0	Side opening 1300	2100	1400	2400	2400	2400	3050	2400	3050	4300	1750	60
	1.6	Side opening 1300	2100	1400	2400	2400	2400	3050	2400	3050	4400	1750	80
	1.75	Side opening 1300	2100	1400	2400	2400	2400	3050	2400	3050	4600	1800	105
	2.0	Side opening 1300	2100	1400	2400	2400	2400	3050	2400	3050	4650	1850	120
1600	1.0	Center opening 1100	2100	1400	2400	2400	2450	2900	2450	2900	4300	1750	60
	1.6	Center opening 1100	2100	1400	2400	2400	2450	2900	2450	2900	4400	1750	80
	1.75	Center opening 1100	2100	1400	2400	2400	2450	2900	2450	2900	4600	1800	105
	2.0	Center opening 1100	2100	1400	2400	2400	2450	2900	2450	2900	4650	1850	120
1600 Open-through	1.0	Center opening 1100	2100	1400	2400	2400	2450	2910	2450	2910	4300	1750	60
	1.6	Center opening 1100	2100	1400	2400	2400	2450	2910	2450	2910	4400	1750	80
	1.75	Center opening 1100	2100	1400	2400	2400	2450	2910	2450	2910	4600	1800	105
	2.0	Center opening 1100	2100	1400	2400	2400	2450	2910	2450	2910	4650	1850	120
2000	1.0	Side opening 1300	2100	1500	2700	2400	2350	3150	2450	3150	4350	1550	60
	1.6	Side opening 1300	2100	1500	2700	2400	2350	3150	2450	3150	4500	1600	80
	1.75	Side opening 1300	2100	1500	2700	2400	2350	3150	2450	3150	4550	1650	105
	2.0	Side opening 1300	2100	1500	2700	2400	2350	3150	2450	3150	4650	1700	120
2000 Open-through	1.0	Side opening 1300	2100	1500	2700	2400	2350	3350	2450	3350	4350	1550	60
	1.6	Side opening 1300	2100	1500	2700	2400	2350	3350	2450	3350	4500	1600	80
	1.75	Side opening 1300	2100	1500	2700	2400	2350	3350	2450	3350	4550	1650	105
	2.0	Side opening 1300	2100	1500	2700	2400	2350	3350	2450	3350	4650	1700	120
2000	1.0	Center opening 1100	2100	1500	2700	2400	2350	3100	2450	3100	4350	1550	60
	1.6	Center opening 1100	2100	1500	2700	2400	2350	3100	2450	3100	4500	1600	80
	1.75	Center opening 1100	2100	1500	2700	2400	2350	3100	2450	3100	4550	1650	105
	2.0	Center opening 1100	2100	1500	2700	2400	2350	3100	2450	3100	4650	1700	120
2000 Open-through	1.0	Center opening 1100	2100	1500	2700	2400	2350	3210	2450	3210	4350	1550	60
	1.6	Center opening 1100	2100	1500	2700	2400	2350	3210	2450	3210	4500	1600	80
	1.75	Center opening 1100	2100	1500	2700	2400	2350	3210	2450	3210	4550	1650	105
	2.0	Center opening 1100	2100	1500	2700	2400	2350	3210	2450	3210	4650	1700	120

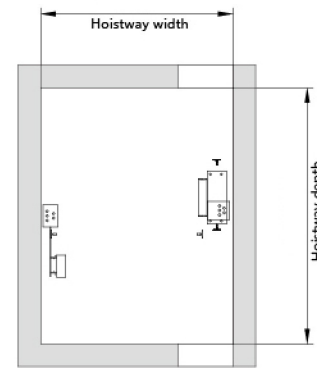
Remarks Car net height excluding ceiling

Construction parameter

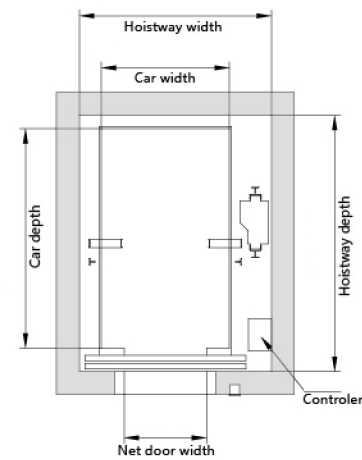
KLW Machine roomless hospital elevator



Hoistway section



Section B



Hoistway plan

KLW Machine roomless hospital elevator parameter table

(Kg) Loading capacity	(m/s) Rated speed	(mm) Door opening width	(mm) Door opening height	(mm) Car size			(mm) Hoistway size		(mm) Top floor height	(mm) Pit depth	(m) Max.travelling height
				Width	Depth	Height	Width	Depth			
1600	1.0	Center opening 1100	2100	1400	2400	2250	2400	2800	4100 / 4300	1500	30 / 50
	1.6	Center opening 1100	2100	1400	2400	2250	2400	2800	4250 / 4400	1600	30 / 60
	1.75	Center opening 1100	2100	1400	2400	2250	2400	2800	4300 / 4400	1650	30 / 75
1600	1.0	Side opening 1300	2100	1400	2400	2250	2400	2900	4200 / 4300	1500	30 / 50
	1.6	Side opening 1300	2100	1400	2400	2250	2400	2900	4350 / 4400	1600	30 / 60
	1.75	Side opening 1300	2100	1400	2400	2250	2400	2900	4400 / 4450	1650	30 / 75
1600 Open-through	1.0	Center opening 1100	2100	1400	2400	2250	2400	2910	4100 / 4300	1500	30 / 50
	1.6	Center opening 1100	2100	1400	2400	2250	2400	2910	4250 / 4400	1600	30 / 60
	1.75	Center opening 1100	2100	1400	2400	2250	2400	2910	4300 / 4400	1650	30 / 75
1600 Open-through	1.0	Side opening 1300	2100	1400	2400	2250	2400	3050	4200 / 4300	1500	30 / 50
	1.6	Side opening 1300	2100	1400	2400	2250	2400	3050	4350 / 4400	1600	30 / 60
	1.75	Side opening 1300	2100	1400	2400	2250	2400	3050	4400 / 4450	1650	30 / 75
Remarks		Car net height excluding ceiling								Less than 30m uncompensated chain configuration	